

Amendments to the claims

Please amend claims 1-20 and add new claims 21-29, as follows:

1.(Original) A magnetron of the type having a cathode and a surrounding anode, and a plurality of cavities defined by anode vanes comprising at least a first ring strap arranged generally around the cathode and in electrical contact with alternate ones of the vanes, the first ring strap having one or more protruding regions which protrude in a radial direction between the cathode and anode at one or more positions so as to increase the capacitance between the first ring strap and a second strap or between the first strap and anode vanes to which the first strap is not connected.

2. (Original) A magnetron according to claim 1, wherein the one or more positions are between the anode vanes to which the at least first ring strap is connected.

3. (Currently amended) A magnetron according to claim 1 ~~or~~ 2, wherein the protruding regions protrude radially inwards.

4. (Currently amended) A magnetron according to ~~any of~~ claim ~~[[s]]~~ 1, ~~2 or~~ 3, wherein the protruding regions protrude towards tips of the anode vanes.

5. (Currently amended) A magnetron according to ~~any preceding~~ claim 1, comprising a second strap generally surrounded by the first ring strap, wherein the one or more protruding regions of the first ring strap protrude towards the second strap so as to increase the capacitance between the first and the second straps.

6. (Currently amended) A magnetron according to ~~any preceding~~ claim 1, wherein the protruding regions are arranged to increase the capacitance for alternate vanes.

7. (Currently amended) A magnetron according to ~~any preceding~~ claim 1, wherein the protruding regions are arranged asymmetrically around a portion of the at least first strap ring.

8. (Original) A magnetron according to claim 7, wherein the protruding regions are arranged on one half of the at least first strap ring.

9. (Currently amended) A magnetron according to ~~any preceding~~ claim 1, wherein the protruding regions comprise deviations in the first strap ring itself.

10. (Currently amended) A magnetron according to ~~any of~~ claim ~~[[s]]~~ 1 to 8, wherein the protruding regions comprise thickenings of the first strap ring.

11. (Original) A magnetron comprising a plurality of anode vanes and a first strap in contact with alternate ones of the vanes, the strap having a protruding region.

12. (Currently amended) A magnetron as claimed in ~~any preceding~~ claim 11, wherein the first strap has a plurality of protruding regions.

13. (Currently amended) A magnetron as claimed in ~~any preceding~~ claim 11, wherein the protruding regions are substantially periodically spaced around at least a portion of the strap.

14. (Currently amended) A magnetron as claimed in ~~any previous~~ claim 11, wherein the strap comprises an open ring.

15. (Currently amended) A magnetron as claimed in ~~any one of~~ claim ~~[[s]] 1 to 14~~ 11, wherein the strap comprises a closed ring.

16. (Currently amended) A magnetron as claimed in ~~any previous~~ claim 11, wherein the strap is adjustable.

17. (Original) A magnetron as claimed in claim 16, wherein the strap is flexible.

18. (Currently amended) A magnetron as claimed in ~~any of claims 11 to 17~~, further comprising a second strap in contact with alternate others of the vanes.

19. (Currently amended) A magnetron as claimed in claim ~~10~~ 18, wherein the second strap includes at least one protruding region.

20. (Currently amended) A magnetron as claimed in ~~any preceding~~ claim 11, including a plurality of straps, at least some of which have at least one protruding region.

Please add the new claims as follows:

21. (New) A magnetron as claimed in claim 1, wherein the first strap has a plurality of protruding regions

22. (New) A magnetron as claimed in claim 1, wherein the protruding regions are substantially periodically spaced around at least a portion of the strap.

23. (New) A magnetron as claimed in claim 1, wherein the strap comprises an open ring.

24. (New) A magnetron as claimed in claim 1, wherein the strap comprises a closed ring.

25. (New) A magnetron as claimed in claim 1, wherein the strap is adjustable.

26. (New) A magnetron as claimed in claim 25, wherein the strap is flexible.

27. (New) A magnetron as claimed in claim 1, further comprising a second strap in contact with alternate others of the vanes.

28. (New) A magnetron as claimed in claim 27, wherein the second strap includes at least one protruding region.

29. (New) A magnetron as claimed in claim 1, including a plurality of straps, at least some of which have at least one protruding region.